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TITLE : RESIN COMPOSITION FOR FORMING TRANSPARENT COLOR IMAGE

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a resin composition which is used for forming a transparent color image and gives a fine transparent color pattern with little variation of film thickness, good flatness and uniformity of color, and a vivid and brilliant color by using a coloring agent comprising a mixture of organic and inorganic pigments treated with a silylating agent in the same system in a resin composition containing a transparent resin, a coloring agent and water.

SOLUTION: The coloring agent comprises a mixture of organic and inorganic pigments treated with a silylating agent in the same system. The content of the inorganic pigment in the mixture is preferably 1-45wt.%. The silylating agent comprising e.g. hexamethyldisilazane is added preferably in an amount of 0.1-10mg for 1m² of specific surface of the pigment mixture. Examples of the organic pigments used include azo lake, insoluble azo, condensed azo and phthalocyanine pigments. Examples of the inorganic pigments used include titanium dioxide, precipitated barium sulfate, and talc.

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